

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	1	3 and (speed and microphone).clm.	US-PGPUB	OR	ON	2007/10/29 13:51
L4	0	3 and (speed with microphone).clm.	US-PGPUB	OR	ON	2007/10/29 13:51
L3	35	1 and (ball with (detect\$3 determin\$3)).clm.	US-PGPUB	OR	ON	2007/10/29 13:51
L2	69	1 and (ball with (detect\$3 determin\$3))	US-PGPUB	OR	ON	2007/10/29 13:51
S7	30	golf\$3 and (detect\$3 with movement\$3 with sound\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 13:50
L1	82	473/192,134,136,151,199.ccls.	US-PGPUB	OR	ON	2007/10/29 13:50
S19 8	28	S194 and ((impact sound nois\$3 audible audio) with (ball)) same (speed velocity)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:46
S19 5	50	S194 and ((impact sound nois\$3 audible audio) with (ball)) same (speed velocity acceleration movement motion)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:46
S19 7	0	S195 and coincidenc\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:45
S19 6	0	S195 and coincidenc\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:45
S19 4	227	473/190,192.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:45
S19 3	276	473/190-192.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:45
S19 2	3	"473"/\$.ccls. and (ball adj detect\$4).ti. and golf	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:45
S19 0	47	S188 and ((impact sound nois\$3 audible audio) with (ball)) same (speed velocity acceleration movement motion)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:45
S19 1	2	"473"/\$.ccls. and (ball adj detection).ti. and golf	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:42
S18 9	62	S188 and (impact sound nois\$3 audible audio) with (ball)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:32

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S18 8	96	473/199.CCLS.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:32
S18 7	57	S184 or S185 or S186	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:32
S18 6	14	("3362023" "4193065" "4392830" "4502035" "4527982" "5087047" "5221088" "5251902").PN. OR ("5338036").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:16
S18 5	10	("4858922" "5092602" "5290037").PN. OR ("5375832").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:14
S18 4	39	("3438031" "3508440" "3938809" "4137566" "4276548" "4545576" "4673183" "4858922" "5082263" "5092602" "5246232").PN. OR ("5401026").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:13
S18 3	8	S182 and ((sound audio noise) with ball)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:09
S18 2	20	("20010023209" "5209479" "5246232" "5269519" "5282629" "5338036" "5375832" "5401026" "5524888" "5527036" "5529307" "5580053" "5603664" "5611535" "5674130" "5807172" "6149532" "6179720" "6293802" "6375580" "6456232").PN.	USPAT	OR	ON	2007/10/26 05:08
S18 1	0	("2004/0192455").URPN.	USPAT	OR	ON	2007/10/26 05:07
S18 0	16	(golf\$3) and ((detect\$3 determin\$3) with (swing swung) with (speed acceleration motion movement)) same ((sound nois\$3 audio audible) with ball)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:03
S17 9	146	(golf\$3) and ((detect\$3 determin\$3) with (swing swung) with (speed acceleration motion movement)) same ((sound impact) with ball)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/26 05:03
S17 8	1	("20050070376").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/31 17:57
S17 7	25	S175 or S176	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 17:57
S17 6	19	"473"/\$.ccls. and (((sound noise audio) with intens\$4) and ((swing swung) with (velocity speed)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 17:41

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S17 5	14	"473"/\$.ccls. and (((sound noise audio) with threshold\$3) and ((swing swung) with (velocity speed)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 17:41
S17 4	1	"473"/\$.ccls. and (((sound noise audio) with threshold\$3) same ((swing swung) with (velocity speed)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 17:41
S17 3	5	"473"/\$.ccls. and (((sound noise audio) with intens\$4) same ((swing swung) with (velocity speed)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 17:40
S17 2	133	S170 and "473"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 17:38
S17 1	3	S167 and ((threshold\$3) with signal\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 17:32
S17 0	677	golf and ((dynamic\$4 variabl\$4) with signal\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 17:32
S16 9	19	S167 and (signal\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 17:32
S16 8	0	S167 and ((dynamic\$4 variabl\$4) with signal\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 17:32
S16 7	21	("20010023209" "5209479" "5246232" "5269519" "5282629" "5338036" "5375832" "5401026" "5524888" "5527036" "5529307" "5580053" "5603664" "5611535" "5674130" "5807172" "6149532" "6179720" "6293802" "6375580" "6456232").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 17:31
S16 6	5	S164 and radar\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 15:45
S16 4	15	S156 or S157 or S158 or S159	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 15:45
S16 5	7	S158 or S159	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 15:43
S16 3	11	S156 S159	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 15:43
S16 2	12	S156 S158	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 15:43

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S16 1	8	S156 S157	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 15:43
S16 0	15	S156 S157 S158 S159	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 15:43
S15 9	6	("5246232" "5603664" "5674130" "6149532" "6179720" "6456232").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 15:43
S15 8	7	("5246232" "5529307" "5603664" "5674130" "6149532" "6179720" "6456232").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 15:43
S15 7	3	("5375832" "5401026" "6375580").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 15:43
S15 6	5	("5209479" "5524888" "5580053" "5611535" "5807172").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 15:43
S15 5	7	S153 not S154	US-PGPUB; USPAT; JPO	OR	ON	2007/05/24 11:45
S15 4	20	("20010023209" "5209479" "5246232" "5269519" "5282629" "5375832" "5401026" "5524888" "5527036" "5529307" "5580053" "5603664" "5611535" "5674130" "5807172" "6149532" "6179720" "6293802" "6375580" "6456232").PN.	US-PGPUB; USPAT; JPO	OR	ON	2007/05/24 11:45
S15 3	18	(US-20010023209-\$).did. or (US-6149532-\$ or US-5527036-\$ or US-5529307-\$ or US-5674130-\$ or US-5603664-\$ or US-6375580-\$ or US-5375832-\$ or US-6293802-\$ or US-5269519-\$ or US-5282629-\$ or US-6299553-\$ or US-4979745-\$ or US-6155931-\$ or US-5338036-\$).did. or (JP-06311474-\$ or JP-06022319-\$ or JP-04241885-\$).did.	US-PGPUB; USPAT; JPO	OR	ON	2007/05/24 11:45
S15 2	2	"473"/\$.ccls. and ("2 khz" same "5 khz")	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 11:34
S15 1	0	"473"/\$.ccls. and (2khz same 5khz)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 11:33
S15 0	6	"473"/\$.ccls. and (((audio microphone struck impact) with ball) same ((swing club head) with (speed velocity)) same ((predetermined) with (threshold level)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 11:33

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S14 9	72	S148 not S147	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 10:59
S14 8	98	"473"/\$.ccls. and (((audio microphone struck impact) with ball) same ((swing club head) with (speed velocity)) same (predetermined))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 10:59
S14 7	122	"473"/\$.ccls. and (((audio microphone struck impact) with ball) same ((swing club head) with (speed velocity)) same (compar\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 10:58
S14 6	122	"473"/\$.ccls. and ((audio microphone struck impact) with ball) same ((swing club head) with (speed velocity)) same (compar\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 10:58
S14 5	29	"473"/\$.ccls. and (ball adj detect\$4) and ((predetermin\$3 adj level) or (coinciden\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 10:47
S14 4	15	S143 and (microphon\$3 sound\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 10:46
S14 3	39	("3438031" "3508440" "3938809" "4137566" "4276548" "4545576" "4673183" "4858922" "5082263" "5092602" "5246232").PN. OR ("5401026").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 10:42
S14 2	7	("473"/\$.ccls. or 73/65.03.ccls.) and (predetermined adj function)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 09:42
S14 0	36	("473"/\$.ccls. or 73/65.03.ccls.) and (((swing swung head club) with (speed veolocity)) same ((sound audio loud loudness thud reverberat\$3 thump rattle crash) with (struck\$3 strik\$3) with ball))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 09:41
S14 1	7	S140 not S138	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 09:40
S13 8	31	("473"/\$.ccls. or 73/65.03.ccls.) and (((swing club) with (speed veolocity)) same ((sound audio intensity) with (struck strike) with ball))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 09:40
S13 9	4	S138 and microphone	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 09:30

EAST Search History

S13 7	1	("473"/\$.ccls. or 73/65.03.ccls.) and (((swing club) with (speed velocity)) same ((sound audio intensity) with (struck strike) with ball) same (compar\$4 coincidence))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 09:30
S13 6	6	S135 and (sound acoustic microphone)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/26 13:18
S13 5	35	("2571974" "2787470" "2825569" "3009704" "3107920" "3601408" "3649029" "3753564" "4108441" "4251077" "4306722" "4306723" "4327918" "4341384" "4477079" "4630829" "4805913" "4826174" "4971328" "4979745" "5082282" "5114150" "5230512").PN. OR ("5527036").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/26 13:18
S13 4	1	"473"/\$.ccls. and (sound with struck with ball with (produ\$3 creat\$3) with signal)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/26 13:16
S13 3	5	"473"/\$.ccls. and (monitor\$3 with golf with ball with hit\$3 with tee)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/26 13:15
S13 2	8	"473"/\$.ccls. and golf and (acoustic adj trigger\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/26 13:05
S13 1	3	S130 not S129	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/20 19:11
S13 0	8	S128 not S127	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/20 19:11
S12 9	5	S128 not S127	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 19:07
S12 8	14	(US-20010023209-\$).did. or (US-6149532-\$ or US-6293802-\$ or US-5529307-\$ or US-5674130-\$ or US-5375832-\$ or US-5527036-\$ or US-5269519-\$ or US-6375580-\$ or US-5282629-\$ or US-5603664-\$).did. or (JP-04241885-\$ or JP-06022319-\$ or JP-06311474-\$).did.	US-PGPUB; USPAT; JPO	OR	ON	2006/10/20 19:06
S12 7	15	("5209479" "5246232" "5375832" "5401026" "5524888" "5529307" "5580053" "5603664" "5611535" "5674130" "5807172" "6149532" "6179720" "6375580" "6456232").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 19:06

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S12 6	9	("2696985" "4181309" "5052688" "5282629" "5356148" "5603664" "5662526" "5916033").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 19:06
S12 5	22	473/134-136.ccls. and ((radio near detect\$4) or IR or infrared)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 17:37
S12 4	1	473/134-136.ccls. and radar	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 17:36
S12 3	15	("5209479" "5246232" "5375832" "5401026" "5524888" "5529307" "5580053" "5603664" "5611535" "5674130" "5807172" "6149532" "6179720" "6375580" "6456232").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 17:35
S12 2	1	S121 and (detect\$5).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 17:25
S12 1	47	473/134-136.ccls. and (detect\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 17:24
S12 0	8	S118 and signal	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 17:23
S11 9	7	S118 and (condition\$5 determination\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 17:23
S11 6	66	473/134-136.ccls. and (condition\$5 or determination\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 17:23
S11 8	27	("1637537" "2198968" "3378263" "3448985" "3549152" "4355811" "4659081" "4676397" "4832345" "5016886" "5131661" "5133557" "5145176").PN. OR ("5356148").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 17:22
S11 7	51	S116 and (auto\$3 automatic\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 17:05
S11 5	1	473/134-136.ccls. and analyz\$6	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 17:04
S11 4	1	("6375580").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/20 17:03
S11 3	1	("4,184,156").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/20 16:58

EAST Search History

S11 2	0	golf and doppler and sound	EPO; JPO	OR	ON	2006/10/20 15:56
S11 1	11	golf and (movement motion) and sound\$4 and (detect\$5 determin\$5)	EPO; JPO	OR	ON	2006/10/20 15:46
S11 0	23	golf and (movement motion) and sound\$4	EPO; JPO	OR	ON	2006/10/20 15:46
S10 9	23	golf and (movement motion) and sound\$5	EPO; JPO	OR	ON	2006/10/20 15:46
S10 8	1	golf and (motion movement) and sound\$5	FPRS; EPO; JPO	AND	ON	2006/10/20 15:45
S10 7	2	golf and (detect\$5 with (motion movement))	FPRS; EPO; JPO	AND	ON	2006/10/20 15:45
S66	23	golf and (movement motion) and sound	EPO; JPO	OR	ON	2006/10/20 15:45
S10 6	305	golf and sound	FPRS; EPO; JPO	AND	ON	2006/10/20 15:44
S10 5	1	golf and radio and sound	FPRS; EPO; JPO	AND	ON	2006/10/20 15:44
S10 4	21	golf and (radio with detect\$5)	FPRS; EPO; JPO	AND	ON	2006/10/20 15:44
S10 3	0	golf and (radio adj detect\$5)	FPRS; EPO; JPO	AND	ON	2006/10/20 15:43
S10 2	0	golf and (radio adj detect\$5) and sound	FPRS; EPO; JPO	AND	ON	2006/10/20 15:43
S10 1	7	golf and radar	FPRS; EPO; JPO	AND	ON	2006/10/20 15:43
S10 0	54	golf and radar	FPRS; EPO; JPO; DERWENT	AND	ON	2006/10/20 15:42
S99	7	golf and radar	EPO; JPO	AND	ON	2006/10/20 15:42
S98	0	golf radar microphone	EPO; JPO	AND	ON	2006/10/20 15:42
S97	0	golf\$5 radar microphone	EPO; JPO	AND	ON	2006/10/20 15:42
S96	0	golf radar microphone	EPO; JPO	AND	ON	2006/10/20 15:42
S95	49727	golf radar microphone	EPO; JPO	OR	ON	2006/10/20 15:41
S94	0	golf radar microphone	EPO; JPO	AND	ON	2006/10/20 15:41
S93	0	golf radar microphon\$3	EPO; JPO	AND	ON	2006/10/20 15:41
S92	0	golf radar sound	EPO; JPO	AND	ON	2006/10/20 15:41
S63	0	golf and radar and sound	EPO; JPO	OR	ON	2006/10/20 15:41

EAST Search History

S91	8	S89 and radar	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/10/20 15:25
S90	8	S89 and radar	USPAT	OR	ON	2006/10/20 15:25
S89	16	("5246232").URPN.	USPAT	OR	ON	2006/10/20 15:24
S88	2	(golf and radar and (sound or microphon\$3)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/10/20 15:24
S87	201	(golf and radar and (sound or microphon\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/10/20 15:24
S86	201	golf and radar and (sound or microphon\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/10/20 15:24
S85	1	"473"/\$.ccls. and (golf and radar).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/10/20 15:23
S84	49	"473"/\$.ccls. and golf and radar and (sound\$3 microphon\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/10/20 15:22
S81	13	(golf with radar with (sound microphon\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/10/20 15:22
S83	201	(golf and radar and (sound microphon\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/10/20 15:12
S82	2	(golf and radar and (sound microphon\$3)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/10/20 15:12
S80	7	golf and radar	EPO; JPO	OR	ON	2006/10/20 15:11

EAST Search History

S79	0	golf and radar and sound	EPO; JPO	OR	ON	2006/10/20 14:58
S78	0	gofl and radar and sound	EPO; JPO	OR	ON	2006/10/20 14:58
S65	0	gofl and (movement motion) and sound	EPO; JPO	OR	ON	2006/10/20 14:58
S77	0	S75 AND DISPENS\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/20 14:15
S76	0	S75 AND FEED\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/20 14:15
S75	23	S72	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/20 14:15
S74	0	S72 or S73	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 14:15
S73	0	S72	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 14:14
S72	23	golf and (movement motion) and sound	EPO; JPO	OR	ON	2006/10/20 14:14
S71	0	(golf same analyz\$3 same sound same camera).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 14:13
S70	2	(golf same analyz\$3 same sound same camera).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/20 14:13
S69	2	(NISHITANI with YOSHIHISA).in. and golf	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/20 14:12
S68	1	(MURAKAMI with MASASHI).in. and golf	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/20 14:11
S67	33	(motion adj analyzer).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/20 14:11
S64	14026	golf	EPO; JPO	OR	ON	2006/10/20 11:42
S62	0	golf\$3 and (compar\$5 with (radar\$3 movement\$3 motion\$3) with (sound\$3 accountic\$3 nois\$3 sonic\$3))	EPO; JPO	OR	ON	2006/10/20 11:42

EAST Search History

S61	2	S60 and (sound\$5 accoustic\$5 microphon\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 11:31
S60	17	("4817955" "4981299" "5282628" "5326107" "5342054" "5529307" "5647805" "5672124" "5674130" "5718638" "5860870" "5895325" "5988861" "6174243" "6179719").PN. OR ("6375580").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 11:31
S59	17	S58 and (sound\$5 microphon\$5 accoustic\$5 sonic\$5 nois\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 11:16
S58	193	473/134-136.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 11:15
S57	97	S54 not S56	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 11:15
S56	2	S53 and (sound\$5 microphon\$5 accoustic\$5 sonic\$5 nois\$5).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 11:15
S55	0	S53 and ((sound\$5 microphon\$5 accoustic\$5 sonic\$5 nois\$5) with (movement\$5 motion\$5 swing\$5)).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 10:57
S54	99	S53 and ((sound\$5 microphon\$5 accoustic\$5 sonic\$5 nois\$5) same (movement\$5 motion\$5 swing\$5))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 10:57
S53	580	(473/134-136,151,152,155,199,202, 221).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/20 10:56
S42	4	(("20040127304") or ("4451043") or ("6821211") or ("6500075")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/20 10:51
S52	9	"473"/\$.ccls. and ((signal with (movement motion)) same (signal with (nois\$3 sound\$3 accoustic\$3 sonic\$3 microphon\$3)) same (compar\$5 differenc\$5))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 10:17
S51	9	"473"/\$.ccls. and ((signal with (movement motion)) same (signal with (nois\$3 sound\$3 accoustic\$3 sonic\$3 microphon\$3)) same (compar\$5))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 10:17
S50	155	"473"/\$.ccls. and (signal with (movement motion)) and (signal with (nois\$3 sound\$3 accoustic\$3 sonic\$3 microphon\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 10:17

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S49	10	S46 and (sound\$3 nois\$3 microphon\$3 accoustic\$5 sonic\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 10:16
S48	6	S47 not (S45 or S43)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 10:14
S47	56	((golf\$3 with swing\$3 with (motion movement)) same display\$3) and (sound\$3 microphon\$3 acoustic\$5 sonic\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 10:08
S44	50	((golf\$3 with swing\$3 with (motion movement)) same display\$3) and (sound\$3 microphon\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 10:07
S46	20	("3531116" "4264072" "4695953" "4767121" "4817950" "4858934" "4976435").PN. OR ("5269519").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 10:06
S45	41	S44 not S43	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 10:05
S43	15	((golf\$3 with swing\$3 with analyz\$5) same display\$3) and (sound\$3 microphon\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 10:04
S41	15	("5209479" "5246232" "5375832" "5401026" "5524888" "5529307" "5580053" "5603664" "5611535" "5674130" "5807172" "6149532" "6179720" "6375580" "6456232").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 09:54
S40	9	"473"/\$.ccls. and golf\$3 and (ball\$3 with detect\$3).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 09:01
S39	95	(ball\$3 with detect\$3).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 09:01
S38	24	golf\$3 and (compar\$5 with (hitt\$5 strik\$3) with (motion\$3 movement\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 09:01
S37	18	("3113782" "3137504" "3156211" "3303863" "3498616" "3528664" "3578801" "4090711" "5133551" "5634856" "6461163" "6800035").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 08:06
S36	31	S35 not S34	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 08:06
S35	31	(golf\$3 or "473"/\$.ccls.) and (both with (movement\$3 motion\$3) with (sound\$3 nois\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 08:01

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S34	10	(golf\$3 or "473"/\$.ccls.) and (compar\$5 with (movement\$3 motion\$3) with (sound\$3 nois\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 08:01
S33	4	(golf\$3 or "473"/\$.ccls.) and (compar\$3 with (movement\$3 motion\$3) with (sound\$3 nois\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/20 07:59
S32	10	"473"/\$.ccls. and ((detect\$3 sens\$5) with both with (nois\$3 sound\$3) with (movement\$3 swing\$3 path\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 21:06
S31	34255	"473"/\$.ccls. ((detect\$3 sens\$5) with both with (nois\$3 sound\$3) with (movement\$3 swing\$3 path\$3))	US-PGPUB; USPAT	OR	ON	2006/10/19 21:06
S29	7	(US-20010023209-\$).did. or (US-5529307-\$ or US-5674130-\$ or US-5375832-\$ or US-6149532-\$ or US-5527036-\$ or US-6293802-\$).did.	US-PGPUB; USPAT	OR	ON	2006/10/19 21:05
S30	7	S29 and both	US-PGPUB; USPAT	OR	ON	2006/10/19 21:04
S28	15	"473"/\$.ccls. and ((detect\$3 with (sound\$3 nois\$3)) same (detect\$3 with (movement\$3 swing\$3)) same (determin\$3 compar\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:57
S26	47	"473"/\$.ccls. and ((detect\$3 with (sound\$3 nois\$3)) same (detect\$3 with (movement\$3 swing\$3)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:57
S27	37	S26 and (determin\$3 compar\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:56
S25	9	S21 and ((sound\$3 microphon\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:55
S24	1	S21 and ((sound\$3 microphon\$3) same (radar\$3 movement\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:54
S23	1	S21 and ((sound\$3 microphon\$3) with (radar\$3 movement\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:54
S22	0	S21 and ((sound\$3 microphon\$3) with (radar\$3 movement\$3) with (compar\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:54
S21	374	473/132-137.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:53
S20	17	"473"/\$.ccls. and golf\$3 and (ball with detection) and ((microphon\$3 sound\$3) same (radar infrared movement))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:52

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S19	16	"473"/\$.ccls. and ((sound\$3 microphon\$3) with (radar detect\$5) with movement)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:30
S18	3	("5471383" "6233007" "20020085213").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:29
S17	2	golf\$3 and (detect\$3 with (sound microphon\$3) with (hit\$3 strik\$3)) and ((radar\$3 infrared\$3) with movement\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:27
S10	23	golf\$3 and (detect\$3 with (sound microphon\$3) with (hit\$3 strik\$3)) and (radar\$3 infrared\$3 movement\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:23
S16	8	S14 or S15	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:13
S15	7	"473"/\$.ccls. and ((detect\$3 with (sound microphon\$3) with (hit\$3 strik\$3)) same (radar\$3 infrared\$3 movement\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:13
S14	7	golf\$3 and ((detect\$3 with (sound microphon\$3) with (hit\$3 strik\$3)) same (radar\$3 infrared\$3 movement\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:13
S13	1	("4560166").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/19 20:11
S12	7	S11 not S10	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:07
S11	27	"473"/\$.ccls. and (detect\$3 with (sound microphon\$3) with (hit\$3 strik\$3)) and (radar\$3 infrared\$3 movement\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:07
S9	5	S6 and (sound\$3 microphon\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:06
S6	15	("5209479" "5246232" "5375832" "5401026" "5524888" "5529307" "5580053" "5603664" "5611535" "5674130" "5807172" "6149532" "6179720" "6375580" "6456232").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 20:05
S8	15	("3992011" "4180726" "4560167" "5338036" "5375832" "5401026" "5437457" "5479008" "5527036" "5527041" "5553857" "5558585" "5599239" "5694340").PN. OR ("6149532").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 19:55

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S5	68	473/134.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 19:40
S4	44	473/134.ccls.	USPAT	OR	ON	2006/10/19 19:36
S3	0	("2004/0192455").URPN.	USPAT	OR	ON	2006/10/19 19:36
S2	3	S1 and ((ball\$3 tee) with feeder\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 19:36
S1	1303	golf\$3 and ((sound\$3 nois\$3) with (club\$3 strik\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 19:36